

Water-Data Report 2007

353114077334905 Local number GR-203 LWQ72

Northern Atlantic Coastal Plain aquifer system
Post Miocene (Quaternary + Pliocene) Rocks
Greene County, NC

LOCATION.--Lat 35°31'14", long 77°33'49" referenced to North American Datum of 1983, Greene County, NC, Hydrologic Unit 03020203, near Lizzie, north of Secondary Road 1335 and west of Secondary Road 1345. Owner: U.S. Geological Survey.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Hand augered observation well, depth 10 ft, diameter 2 in., screened interval from 1 to 10 ft.

DATUM.--Land-surface datum is 57.43 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of PVC casing, 2.70 ft above land-surface datum, May 3, 2006, to present.

PERIOD OF RECORD.--March 2006 to current year.

GAGE.--Water-level recorder collecting data at 15-minute intervals. During the period August 22 through September 30, 2006, data collected at 135 minute intervals.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency as part of the Lizzie water quality study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.78 ft above land-surface datum, September 1, 2006; lowest water level recorded 6.01 ft below land-surface datum, September 14, 2007.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.36	2.89	2.74	2.90	3.03	3.46	3.55	3.55	3.86	3.64	4.17	5.29
2	3.38	2.90	2.74	2.95	2.81	3.40	3.56	3.59	3.88	3.69	4.28	5.35
3	3.41	2.92	2.78	2.97	2.96	3.43	3.58	3.56	3.51	3.73	4.41	5.45
4	3.44	2.93	2.79	2.98	3.01	3.46	3.58	3.53	3.37	3.77	4.50	5.51
5	3.44	2.94	2.83	2.98	3.06	3.47	3.58	3.53	3.48	3.82	4.59	5.54
6	3.39	2.93	2.85	2.88	3.10	3.49	3.55	3.25	3.53	3.87	4.66	5.61
7	3.27	2.77	2.86	2.94	3.13	3.49	3.52	3.35	3.57	3.92	4.73	5.67
8	3.27	2.49	2.90	2.95	3.19	3.50	3.51	3.39	3.59	3.94	4.81	5.73
9	3.23	2.61	2.92	2.99	3.23	3.52	3.49	3.37	3.64	3.99	4.87	5.80
10	3.21	2.70	2.92	3.04	3.26	3.52	3.49	3.36	3.67	4.01	4.80	5.79
11	3.26	2.73	2.94	3.10	3.30	3.53	3.46	3.43	3.71	3.98	4.34	5.86
12	3.28	2.46	2.95	3.11	3.33	3.54	3.19	3.43	3.75	4.01	4.27	5.92
13	3.33	2.33	2.95	3.12	3.33	3.56	3.28	3.41	3.77	4.04	4.29	5.93
14	3.34	2.41	2.95	3.14	3.21	3.55	3.34	3.43	3.78	4.07	4.37	5.94
15	3.36	2.48	2.96	3.14	3.31	3.51	2.73	3.46	3.79	4.11	4.49	5.24
16	3.35	2.39	2.99	3.15	3.37	3.22	2.64	3.50	3.79	4.15	4.60	5.17
17	3.31	2.34	3.02	3.14	3.38	3.05	2.97	3.49	3.71	4.20	4.71	5.22
18	2.95	2.42	3.03	3.09	3.40	3.25	3.10	3.45	3.74	3.94	4.81	5.26
19	3.02	2.49	3.04	3.06	3.42	3.34	3.16	3.48	3.80	3.92	4.92	5.29
20	3.09	2.56	3.06	3.12	3.42	3.37	3.21	3.50	3.82	3.95	4.99	5.13
21	3.15	2.55	3.06	3.13	3.43	3.39	3.25	3.57	3.77	3.92	5.09	4.73
22	3.15	2.03	3.03	2.73	3.44	3.41	3.29	3.60	3.81	3.96	4.93	4.74
23	3.14	2.28	2.84	2.92	3.46	3.42	3.33	3.62	3.86	4.01	4.98	4.85
24	3.15	2.42	2.90	3.01	3.46	3.45	3.35	3.65	3.91	4.05	5.02	4.97
25	3.12	2.54	2.63	3.02	3.44	3.47	3.38	3.67	3.94	4.11	5.13	5.02
26	3.13	2.62	2.50	3.05	3.41	3.48	3.41	3.69	3.93	4.17	5.21	5.11
27	3.11	2.68	2.71	3.05	3.44	3.47	3.43	3.72	3.96	4.23	4.84	5.15
28	2.60	2.71	2.81	3.01	3.46	3.48	3.44	3.74	4.00	4.32	4.86	5.18
29	2.77	2.73	2.85	3.06	---	3.50	3.47	3.77	3.88	4.42	4.98	5.31
30	2.84	2.75	2.87	3.08	---	3.52	3.50	3.80	3.60	4.37	5.12	5.42
31	2.88	---	2.90	3.12	---	3.53	---	3.83	---	4.16	5.18	---
Mean	3.18	2.60	2.88	3.03	3.28	3.44	3.34	3.54	3.75	4.02	4.74	5.37
Max	3.44	2.94	3.06	3.15	3.46	3.56	3.58	3.83	4.00	4.42	5.21	5.94
Min	2.60	2.03	2.50	2.73	2.81	3.05	2.64	3.25	3.37	3.64	4.17	4.73

	Calendar Year 2006	Water Year 2007
Mean	3.13	3.60
High	1.52	2.03
Low	3.73	5.94

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